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0600R4--Henry Bigelow Cruise 02 AUG 12-23 2010  
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\*\*\*\*DATA SOURCE\*\*\*\*

Data were compiled from surveys conducted in the Gulf of Mexico. Data were compiled for samples collected from the Henry Bigelow Cruise 02 AUG 12-23 2010.

Data were compiled from NewFields Environmental Forensics Practice, LLC (Alpha) lab electronic data deliverables for the following QC Batches: 1008224, 1008225, 1008226, 1008227, 1008228, 1008229, 1008230, 1008231, 1008232, 1008233, 1008234, 1008235, 1008240, 1008241, 1008242, 1008243, 1008244, 1008245, 1008246, 1008247, 1008248, 1008249, 1008250, 1008251, 1008253, 1008254, 1008255, 1008256, 1008260, 1008261, 1008264, 1008265, 1008270, 1008271, 1008286, 1008287, 1008288, 1008289, 1008290, 1008291, 1008292, 1008293, 1008294, 1008295, 1008296, 1008297, 1008298, 1008299, 1008300, 1008301, 1008302, 1008303, 1008304, 1008305, 1008306, 1008307, 1008308, 1008309

\*\*\*\*DATA COLLECTION PURPOSE\*\*\*\*

Natural Resource Damage Assessment

\*\*\*\*DATA USE QUALIFICATION\*\*\*\*

Values for concentration and detection limit should be interpreted to 3 significant figures. Values for reporting limits should be interpreted to 1 significant figure.

\*\*\*\*STUDY\*\*\*\*

The data include water chemistry data.

\*\*\*\*STATION\*\*\*\*

All StationIDs are based on the names and locations recorded in the field sampling database (names in the Notes). Datum is NAD83.

\*\*\*\*SAMPLES AND REPLICATES\*\*\*\*

The collection depth of water samples in the fields UDepth and LDepth are reported in meters. Depths were reported as in the Notes of the Fields Sample Database. Two samples had SampleIDs that linked to records that reported that no water had been collected. These data were retained with -9 in the udepth/ldepth fields.

The original SampleIDs reported by the lab from the Chain-of-Custody is stored are the ExSampID field.

Samples were assigned to each unique location and depth, and field duplicates were coded with a "D" in the SampleID and with a SampType of "FDUP." Subsequent field duplicates (splits) then have a sequential numbering "D2, D3, etc.

The default labrep code "1A" was used for all data. Lab duplicates (second analysis of same sample for same analytical method) were assigned labrep "2A". Lab duplicates were identified as those samples with a "D" suffix on the labID.

Several analytes are reported from 2 different analytical methods. The "preferred" result (usually with lower detection limits) is given the default labrep code (e.g., "1A" or "2A"). The results from the non-preferred analytical method have a "X" appended to the labrep code (e.g., "1AX" or "2AX")

The following chemcode/analytes were measured using two methods:

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Total Saturated Hydrocarbons by GC/FID | 8015M

AHCN\_C09/ Nonane

AHCN\_C10/ Decane

AHCN\_C11/ Undecane

AHCN\_C12/ Dodecane

AHCN\_C13/ Tridecane

The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Methods: PIANO Volatile Hydrocarbons by GC/MS | 8260M and Alkylated Polynuclear Aromatic Hydrocarbons | 8270M

BTHIOPHNE/ Benzo(b)thiophene

METHNAP\_1/ 1-Methylnaphthalene

METHNAP\_2/ 2-Methylnaphthalene

NAPHTHALENE/ Naphthalene

The results for PIANO Volatile Hydrocarbons by GC/MS were assigned labrep "1AX"

Alpha Lab Analytical Methods:

Total Saturated Hydrocarbons by GC/FID | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 8015 M - Tot Sat. HC - GC/FID)

Alkylated Polynuclear Aromatic Hydrocarbons | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Alkylated PAHs)

PIANO Volatile Hydrocarbons by GC/MS | 8260M | SOP. 0-019 Rev. 2 (abbreviated as 8260 M - PIANO VolHC - GC/MS)

\*\*\*\*SUMMED PARAMETERS\*\*\*\*

No sums were calculated.

\*\*\*\*QUALIFIERS\*\*\*\*

Qualifiers recorded in the chemistry files represent the final data qualifiers provided by the data validation. Descriptions of the data qualifiers are included in the data dictionary.

\*\*\*\*OTHER\*\*\*\*

The original analyte reported as Benzo(k)fluoranthene was identified by the data validators to be a coelution of Benzo(k)fluoranthene and Benzo(j)fluoranthene. Therefore, the chemical data for

the original Benzo(k)fluoranthene results have been assigned a chemical code for Benzo(j+k)fluoranthene.

The original analyte in Alpha lab EDDs reported as "Total Petroleum Hydrocarbons (C9-C44)" was proposed to need further distinction based on information acquired from the data validators. The analyte was not subjected to silica gel cleanup; thus, it was suggested that the results represented "Total Extractable Matter (C9-C44)". This is the chemical code/chemical name used to report these original total petroleum hydrocarbon results in the final chemistry tables.